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AB Polyesters with good whiteness are prepared by adding malonic acid [141-82-2] or its derivative [R1C(R2)(CO2H)2; R1, R2 = H, alkyl, cycloalkyl, aryl, allyl] to the polymerization system of bis(hydroxyethyl) terephthalate in the

presence of a Sb compound catalyst. Thus, a mixture of di-Me terephthalate 10,000, ethylene glycol 7500, and Mg(OAc)2 6 parts was transesterified, mixed at 240° with 3.2 parts tri-Me phosphate dissolved in ethylene glycol, mixed with a heated mixture of Sb2O3 [1309-64-4] 5, ethylene glycol 200, and malonic acid 3.6 parts, and polymerized 2 hr at 285°/2mm to give a white polyester with softening point 261° and intrinsic viscosity 0.757 (1:1 PhOH-CHCl2CHCl2, 25°), from which a polyester fiber with good whiteness was obtained.